



**Department of Energy**  
Savannah River Operations Office  
P.O. Box A  
Aiken, South Carolina 29802

APR 21 2011

Mr. Drew Persinko, Deputy Director  
Environmental Protection and  
Performance Assessment Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Federal and State Materials  
and Environmental Management Programs  
U.S. Nuclear Regulatory Commission  
11545 Rockville Pike, Mail Stop T8F5  
Rockville, MD 20852-2738

Dear Mr. Persinko:

SUBJECT: Second Request for Additional Information on the 2009 Performance Assessment for the Saltstone Disposal Facility at the Savannah River Site (ltr Skeen to Gutmann, 12/15/10) and (ltr Gutmann to Persinko 02/04/11)

In followup to previous correspondence, enclosed for your review are proposed responses to a subset of the Nuclear Regulatory Commission's (NRC) Second Request for Additional Information on the 2009 Performance Assessment for the Saltstone Disposal Facility at the Savannah River Site. In the enclosed document, the Department provides proposed responses to 19 RAIs, identifies those RAIs that were shown as "adequate" and not requiring additional information, and identifies those RAIs that will be addressed at a later time in SRR-CWDA-2011-0004, Rev. 1. The latter group of RAIs requires additional research or computer modeling to adequately address the request. The Department's approaches to the remaining RAIs, including the proposed modeling (PORFLOW and GoldSim) approaches will be discussed at our planned meeting on April 27, 2011. The reference documents associated with the enclosure will be provided to the NRC during its onsite observation on April 26, 2011.

Please contact me at (803) 208-7408 or Patricia Suggs (803) 208-6804 if you have questions regarding this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas S. Gutmann".

Thomas S. Gutmann, Director  
Waste Disposition Programs Division

WDPD-11-62

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**Enclosure:**

**Comment Response Matrix for Nuclear Regulatory Commission RAI-2009-02 Second Request for Additional Information (RAI) on the Saltstone Disposal Facility Performance Assessment, SRR-CWDA-2011-00044, Rev. 0, April 2011.**

cc: w/encl

Nishka Deraser, NRC

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U.S. DEPARTMENT OF AGRICULTURE  
WASHINGTON, D.C.

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